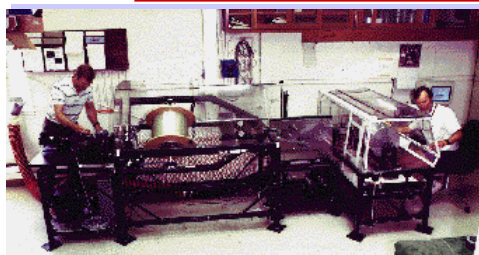


C4ISR Systems For The Warfighter



**FIBER OPTIC
MICROCABLE
PRECISION WINDING
AND PACKAGING**



Undersea Connectivity

Undersea Connectivity

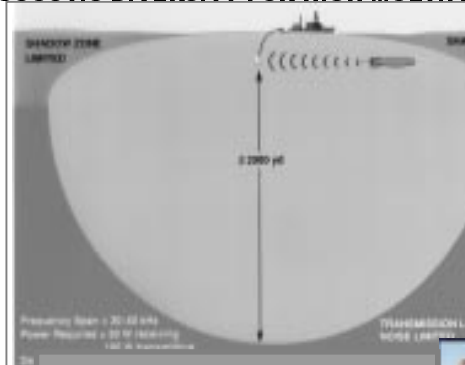
Battlefield connectivity to and real time situational awareness from remote undersea systems:

- High Data Rate Transmission for MCM and C3I Missions
- Real Time Communication Link Between Platforms
- Data Recovery from Underwater Sensor/Packages

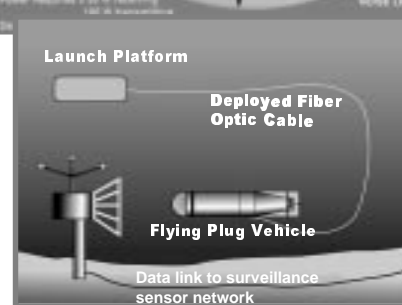
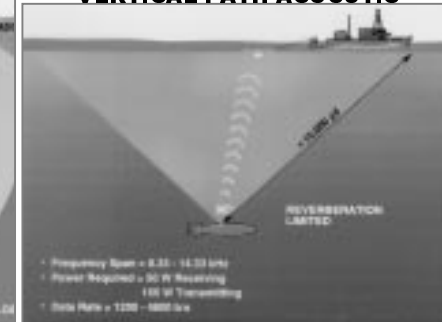
SPAWARSYSCEN San Diego Accomplishments:

- Developed and delivered several vertical path acoustic telemetry systems for Navy underwater applications.
- Developed an acoustic diversity telemetry system for underwater vehicle applications and transitioned the technology to industry.
- Developed the Fiber Optic Microcable (FOMC) production process and transitioned the technology to industry via the Navy MANTECH Program office; 5000K meters produced.
- Developed the FOMC precision winding capability and providing FOMC packs for several Navy programs.
- Provided fiber optic cable RDT&E for ADS and ULITE (ultra light) surveillance arrays.
- Provided fiber optic telemetry systems for several Navy programs.
- Autonomous fiber optic 'Plug' vehicle system developed for ONR.
- Recognized as world experts in undersea fiber optics and small cable applications.
- Over 20 patents in undersea fiber optic technologies.

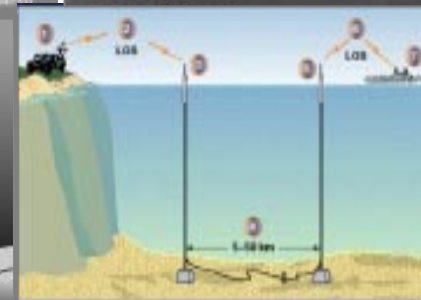
ACOUSTIC DIVERSITY FOR HIGH MULTIPATH



VERTICAL PATH ACOUSTIC



FLYING PLUG CONCEPT



HYBRID COMMUNICATIONS